



Massachusetts
Department
of
ENVIRONMENTAL
PROTECTION

Clean State fact sheet

Permitting Requirements for Newly Installed Equipment

Air Pollution Control Regulations

Introduction

State agencies are subject to the same environmental regulations as private industrial and commercial facilities in Massachusetts. The purpose of this fact sheet is to provide a brief overview of the equipment installations that may trigger the need for Department approval, and how to minimize environmental impacts and enforcement actions by DEP or EPA, by achieving and maintaining compliance with the applicable requirements. This fact sheet is not meant to be a comprehensive guide to all regulations, but to provide basic information and DEP contacts if you need assistance. The Table on page 2 summarizes the applicability requirements for obtaining a plan approval prior to installing equipment.

Boilers

Most state facilities operate one or more boilers. Requirements for a boiler depend on its size (maximum capacity to burn fuel) and the type of fuel, except for boilers subject to the Environmental Results Program (ERP).

Environmental Results Program (ERP) for Boilers

Effective September 14, 2001, if you install a new boiler rated 10 million to 40 million Btu per hour, you must comply with ERP for boilers. ERP requires:

- clean fuels
- equipment maintenance
- record keeping
- compliance certification within 60 days after the new boiler begins operation.

ERP for boilers does NOT apply to boilers:

- installed before September 14, 2001 that have a plan approval
- installed in operating permit facilities
- that are wood fuel-fired.

A compliance assistance workbook and certification forms are available from: DEP's Infoline at (617) 338-2255 or (800) 462-0444 (outside the 617 area code), and DEP's web site, www.state.ma.us/dep/erp/erppubs.htm#boilers.

Other Equipment Installations

Other equipment installations that may cause releases of air contaminants from state facilities that trigger the need for a plan approval include:

spray painting
sand blasting
solvent degreasers
operating gasoline pumps for vehicle fleets
printing

These activities may generate wastes that require a permit, plan approval or certification from DEP. You should call the appropriate DEP regional office if you plan any new activity that emits pollutants to the environment or generates waste.

Central Regional Office: (508) 792-7650
 Northeast Regional Office: (978) 661-7600
 Southeast Regional Office: (508) 946-2714
 Western Regional Office: (413) 784-1100

| Plan Approval Type | Where approval is sought for: | Application Form |
|--------------------------------------|--|------------------|
| Limited Plan Application (LPA) | 1. Facility or emission unit with the potential to emit greater than 1 ton per year and less than 5 tons per year. | BWP AQ 01 |
| Reference: 310 CMR 7.02(4) | 2. Fuel utilization emission unit (evaluated individually): 5,000,000 - 10,000,000 Btu/hr burning 1 % sulfur residual oil. 3,000,000 - 10,000,000 Btu/hr burning used oil fuel. 3. Changes that contradict an existing plan approval, with a potential emission increase less than 5 tons per year. | |
| Comprehensive Plan Application (CPA) | 1. Facility or emission unit with the potential to emit greater than or equal to 5 tons per year. | BWP AQ 02/03 |
| Reference: 310 CMR 7.02(5) | 2. Fuel utilization emission unit (evaluated Individually) greater than 40,000,000 Btu/hr burning natural gas or propane. greater than 30,000,000 Btu/hr burning #2 fuel oil. greater than 20,000,000 Btu/hr burning 0.5% sulfur residual oil. greater than 10,000,000 Btu/hr burning 1 % sulfur residual oil. greater than 10,000,000 Btu/hr burning used oil fuel. greater than 3,000,000 Btu/hr burning residual oil with a sulfur content greater than 1%, hazardous waste fuel, solid fuel with a sulfur content greater than 1%, hazardous waste fuel, solid fuel (automatic feed), landfill gas or digester gas. 3. Combustion turbines or reciprocating engines greater than 3,000,000 Btu/hr energy input. 4. Hand fired solid fuel units greater than 1,000,000 Btu/hr energy input. 5. Any incinerator. 6. Any action or new major facility subject to federal Prevention of Significant Deterioration (PSD) or Non-attainment Review. 7. Changes that contradict an existing plan approval, with a potential emission increase of 5 tons per year or more. 8. Any facility where the sum of <i>de minimis</i> unapproved equipment installations equals or exceeds 5 tons per year. 9. Any facility where construction, substantial reconstruction or alteration may contradict a condition of a PSD permit or Non-attainment Review plan approval. 10. Any facility that the Department determines has the potential to cause or contribute to a condition of air pollution. | |

Massachusetts Department of
 Environmental Protection
 One Winter Street
 Boston, MA 02108-4746

Commonwealth of
 Massachusetts
 Jane Swift, Governor

Executive Office of
 Environmental Affairs
 Bob Durand, Secretary

Department of
 Environmental Protection
 Lauren A. Liss, Commissioner

Produced by the
 Bureau of Waste Prevention,
 November 2001.
 Printed on recycled paper.

This information is available in
 alternate format by calling our
 ADA Coordinator at
 (617) 574-6872.

